Proposed D1 Event Database and Access Prototype Architecture

- Data will be accessed through the web page

- A possible definition of U1 would be a local program that can talk to the web and ftp data (exploring cURL for this)

- Middleman server handles programs to manage the request queue (queue manager), ingesting new data (ingest), and moving/reformatting data (stager) from the D1 beowulf cluster.

Proposed Prototype Event (D1)Database Implementation

ftp

Web/ftp
server

SSL

DTS

LIOC

key

hosts

processes

disks

X-mounted
disks

Database Server

Queue Manager

stager

ingest

Beowulf/Cluster

SSL

Head
Node

1000BaseT data, 100BaseT messages

1

2

...

N

Staging

FITS
data

RAID 0
SCSI

FITS
data

FITS
data

FITS
data